



Pneuma

Line Scan Camera

PN16KCXP10-50KT

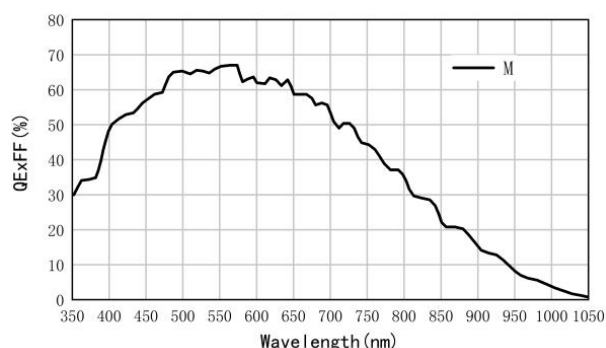
Features

- ◎ Global Shutter CMOS
- ◎ 16384 * 2pixels, 3.5 μ m * 3.5 μ m
- ◎ Up to 50kHz Line Rate
- ◎ High sensitivity and low noise
- ◎ 8/10 bit output
- ◎ CoaXPress10 interface
- ◎ Rich exposure control modes (external trigger, free-run)
- ◎ Binning / LUT / FFC
- ◎ Spatial Correction / Parallax Correction
- ◎ Scanning direction configurable
- ◎ Real-time temperature monitoring



Applications

- ◎ Plate and web inspection
- ◎ Lithium battery / Solar panel inspection
- ◎ Railway and traffic application
- ◎ Food and medicine inspection
- ◎ Other sorting and appearance inspections



Spectral response

Specifications

Model	PN16KCXP10-50KT
Image Sensor	Global Shutter CMOS
Image Mode	Mono
Optical Size	57.34 mm
Resolution	16384 * 2
Pixel Size	3.5μm * 3.5μm
Max Line Rate	50.0kHz@8bit, 47.8kHz@10bit
Bit Depth	8/10 bit
Dynamic Range	≥65.7dB
Data Rate	1958 MB/s
Trigger Mode	Line Trigger / Frame Trigger
Exposure Control	Pulse width / Program
Exposure Time	3.2μs-63997μs(Step:0.013μs)
Analog Gain	1/2/3/4x
Digital Gain	0.1-8.0x
Data Interface	CoaXPress10
Lens Interface	M72 * 0.75
Power Interface	Hirose HR10A-7R-6PB(Male)
Power Supply	DC12-24V(±10%) 1.5A
Power Dissipation	8.2 W
Dimensions	76.0mm(W) x 76.0mm(H) x 54.5mm(D)
Operating Temperature	0-55°C
Storage Temperature	-20-75°C

Mechanical Dimensions(mm)

